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| 30593 7590 09/19/2007<br>HARNESS, DICKEY & PIERCE, P.L.C.<br>P.O. BOX 8910<br>RESTON, VA 20195   |   |   |   |  |                | Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. |                            |  |  |  |
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| APPLICATION NO.  | FILING DA   | TE  | FIRST NAMED INVEN   |  | TOR            | ATTORNEY DOCKET NO.   |                            |  | CONFIRMATION NO.                                 |  |
| 10/758,027   | 10/758,027 01/16/2004   |   |   | Min-Ho Kim                                     |                |   | 2557-000169/US             |  |  |  |
| TITLE OF INVENTION   | : METHOD AND C  | RCUIT F   | OR UPDATING A   | TAP COEFFICIENT                                | OF A           | CHANNEL EQU   | JALIZE                     | ER   |  |  |
| APPLN. TYPE  | SMALL ENTITY  | 15  | SSUE FEE DUE  | PUBLICATION FEE D                              | UE             | PREV. PAID ISSUE  | FEE                        | TOTAL FEE(S) DUE                               | DATE DUE   |  |
| nonprovisional   | NO  | <u>\$1440</u>   | <del>\$1400</del>   | \$300  |                | \$0 <u>\$1740</u> <del>\$1700</del>   |                            | 12/19/2007                                     |  |  |
| EXAMINER   |   |   | ART UNIT  | CLASS-SUBCLASS                                 | CLASS-SUBCLASS |   | /17/2007 SZEWDIE2 00000923 |  | 10758027   |  |
| FLORES, LEON   |   |   | 2611  | 375-232000                                     |                | 01 FC:1501  |                            |  | 1440.00 OP                                       |  |
| On the property of the provided HTO/SB/47; Rev 03-0 Number is required.  | (1) the names of u<br>or agents OR, alter<br>(2) the name of a s<br>registered attorney | a single firm (having as a member a ley or agent) and the names of up to ent attorneys or agents. If no name is |   |  |                |   |                            |  |  |  |
| 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Samsung Electronics Co., Ltd.  Gyeonggi-do, Republic of Korea  |   |   |   |  |                |   |                            |  |  |  |
| Please check the appropriate assignee category or categories (will not be printed on the patent): 🔲 Individual 💢 Corporation or other private group entity 🚨 Government  |   |   |   |  |                |   |                            |  |  |  |
| 4a. The following fee(s):  Issue Fee Publication Fee (N  | are submitted:  | 41  | D. Payment of Fec(s): (Please first reapply any previously paid Issue fee shown above)  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fec(s): any deficiency, or credit any overpayment, to Deposit Account Number 200-250 (enclose an extra copy of this form). |  |                |   |                            |  |  |  |
| S. Change in Entity Sta  |   |   |   | _  |                |   |                            |  |  |  |
| a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).  NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.  |   |   |   |  |                |   |                            |  |  |  |
| interest as shown by the   | a rublication ree (if<br>records of the United  | required)<br>States Pa  | will not be accepte<br>tent and Trademark   | o from anyone other the Office.                | nan tr         | e applicant; a regi   | stered a                   | morney or agent; or th                         | e assignee or other party in                     |  |
| Authorized Signature   |   |   |   | Date December 14, 2007                         |                |   |                            |  |  |  |
| Typed or printed nam   | Registration No. 35,094   |   |   |  |                |   |                            |  |  |  |
| This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22813-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. |   |   |   |  |                |   |                            |  |  |  |